



# **IRAW Implementation-Diamond and SCCC Sites**

**Bi-Weekly Progress Report No. 31      Date: October 18, 2011**  
**Kearny, New Jersey**

## **I) Field Activities**

### *Weeks beginning September 19 and September 26, 2011*

- Pumped water from the decontamination of the frac tanks, to the temporary construction treatment system (TCTS);
- Operation and maintenance of the TCTS, and discharge of treated water;
- Continued water service pipe installation to the Hydraulic Control Treatment System (HCTS) building;
- Continued hydrostatically testing the force main piping, and initiated repairs as needed;
- Initiated solidification of the bentonite pond contents by mixing with cement, and placement of the solidified bentonite in the CAs.
- Continued grading of the materials placed in Diamond Site CA and SCCC Site CAs;
- Initiated the decontamination of the TCTS frac tanks;
- Pumped the existing water from septic tanks ST-3, ST-6, ST-7, and ST-8, then backfilled each by pumping controlled density cement fill into the tanks/piping;
- Initiated installation of containment dike and open-faced capillary break within the former process area on the SCCC Site;
- Continued installation of well control panels and wire installation;
- Initiated the construction of the capillary break and containment berm around the Former SCCC Site Process Area;

- Completed the excavation of three additional cubic yards of impacted soil from the transformer pad area, and placement of the soil in a rolloff box; and,
- Completed excavation of Channel C-4C and continued excavation of C-4B.

### *Near-Term Future Activities*

- Continue operation of the TCTS;
- Continue installation of the HCTS components;
- Continue erosion and sediment control system construction;
- Continue placement of well vaults, electrical pull boxes, and well pumps and associated appurtenances;
- Continue in-place closure of the septic tanks;
- Utility installation;
- Initiate installation of asphalt in hydraulic conveyance line trenches;
- Final grading and installation of final cover in the SCCC and Diamond Sites CAs;
- Preparation of areas for mitigation of freshwater wetlands;
- Determine if additional impacted soil removal associated with the former transformer pad will be required based on soil sample results, and,
- Continue capillary break installation along the south ditch.

# **KEY**



## **II) Reporting**

### ***Weeks beginning September 19 and September 26, 2011***

- The TCTS Discharge Monitoring Report (DMR) for August was submitted on September 21, 2011; and
- Bi-weekly Construction Report No. 30 was submitted to the New Jersey Department of Environmental Protection (NJDEP).

### ***Near-Term Future Activities***

- A Periodic Fill/Stockpile Monitoring Report will be submitted to the New Jersey Meadowlands Commission;
- The TCTS DMR for September will be submitted; and,
- Bi-weekly Construction Report No. 31 will be submitted to the NJDEP.

## **III) Other**

An Interim Response Action - Schedule Extension Request letter was submitted to the NJDEP on September 22, 2011.

The HCTS power pole/electric installation continues to be delayed and the installation options are being evaluated.

### **Perimeter Air Monitoring**

There were no excursions above the action levels during the reporting period. The representation of the daily action levels for dust and VOCs for each day's activities has been adjusted on the air monitoring graphs for each activity according to the Air Monitoring Plan.



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**(Photo 1)** Reinstallation of asphalt/capillary break.



**(Photo 2)** Density testing of asphalt.



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**(Photo 3)** In-place abandonment of septic tanks, after dewatering and/or sludge removal.



**(Photo 4)** WRS topping of septic tank while vibrating flowable fill. Vibration was done to assure that no voids were present in the septic tanks.



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**(Photo 5)** Solidification of bentonite ponds, materials then placed into the appropriate consolidation area (CA).



**(Photo 6)** Placement of the 6-inch "open-faced" capillary break within SCCC Process Area/Track 1 demolition area.



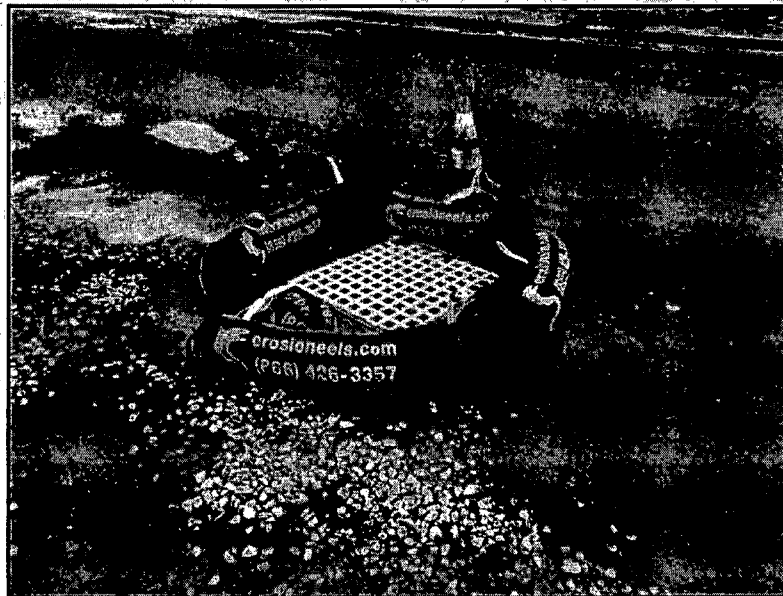
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**(Photo 7)** Exploratory excavation to search for unknown septic tank. All unknown septic tanks shown on Drawing SPA-01 have now been identified.



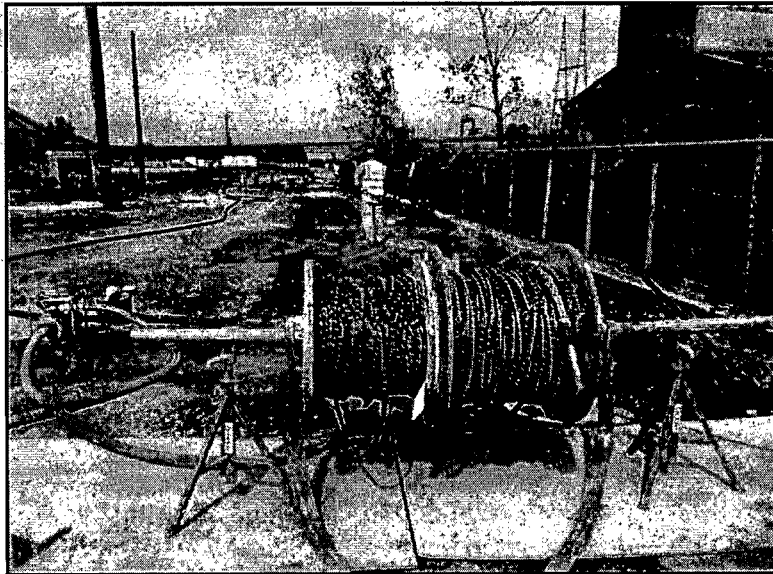
**(Photo 8)** Placement of erosion control eels (in place of hay bales) around drop inlets.



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**(Photo 9)** Installation of wires for HCWU wells.



**(Photo 10)** Placement of planting soil for upland wetland planting.

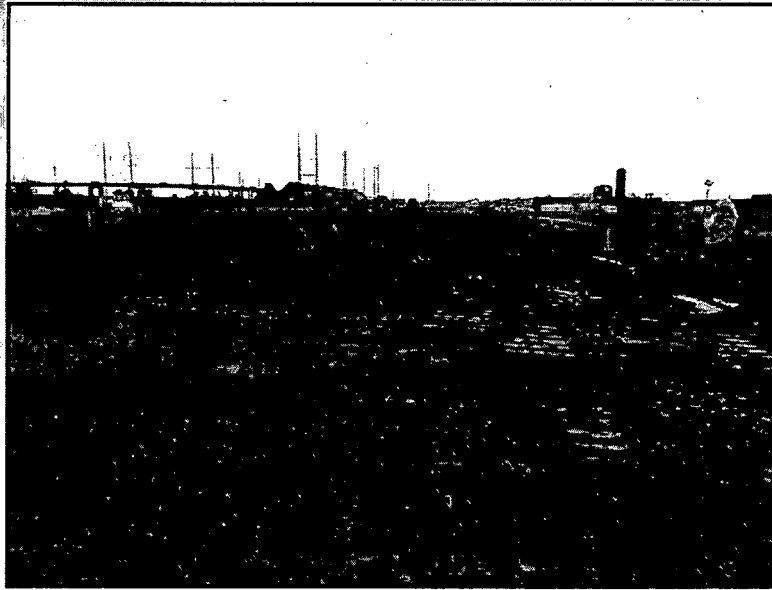


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**(Photo 11)** Grading of the Diamond CA.



**(Photo 12)** Excavation of the Diamond CA Channel.



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**(Photo 13)** Diamond CA channel prior to liner installation.



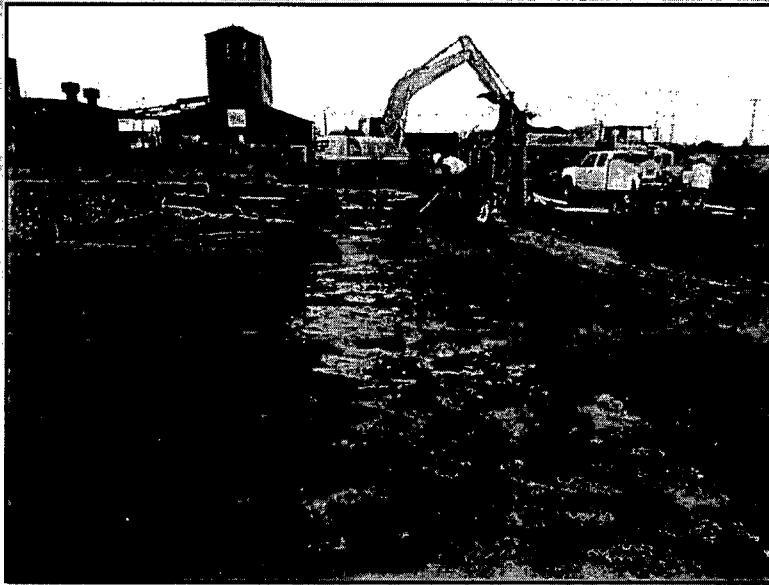
**(Photo 14)** Installation of asphalt.



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**(Photo 15)** Installation of the SCCC Process Area containment berm.



**(Photo 16)** Completed installation of the “open faced” capillary break with the SCCC Process Area (portion of capillary break installed by WRS is within the Track 1 Demo area).

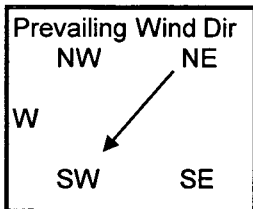


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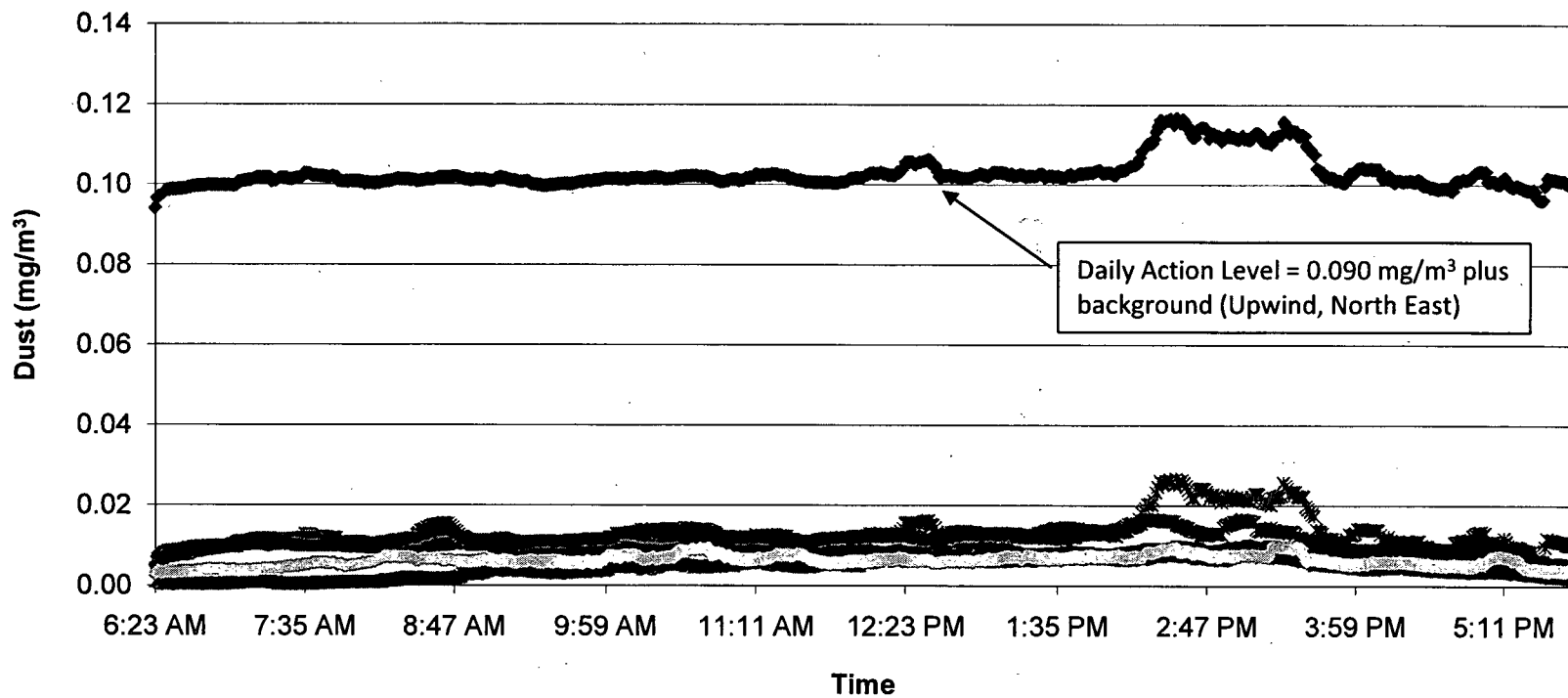
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# **Perimeter Monitoring Summaries**

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**Dust Monitoring  
15 Minute Average  
SCCC/Diamond Sites  
Kearny, New Jersey  
September 19, 2011**



◆ DAL

× South East Station [SE]

× Upwind, North East Station [NE]

× South West Station [SW]

◆ North West Station [NW]

◇ West Station [W]